

REMARKS

Claims 1 through 27 are pending. A Non-Final Office Action mailed July 25, 2006 rejected Claim 1 through 27 under 35 USC § 102. By way of this amendment, Applicant hereby amends Claims 1, 4, 6, 8-11, 16, 17, 20, 24, and 26 and cancels Claims 2, 3, 5, 12-15, 18, 19, and 21-23. Pursuant to 37 CFR § 1.111, Applicant hereby respectfully requests reconsideration of the application.

REJECTION OF CLAIMS UNDER 35 USC § 103

The Office Action rejected Claim 1-27 as being anticipated by Muller et al. (herein after Muller). With regard to Claim 1, the Office Action states that Muller discloses a terrain awareness system which comprises providing a terrain database; receiving a positional fix; determining a database resolution at the positional fix; receiving a ground track; generating a look ahead envelope based on the received positional fix, database resolution, and the received heading. With regard to amended independent Claim 1, Applicant respectfully traverses this rejection.

Applicant submits that Muller discloses that DX_{off} and DY_{off} are determined as set forth in equations 25 and 26 (col. 27, lines 16-30). DX_{off} and DY_{off} are the X and Y dimensions of D_{off} as shown in Figure 35. Applicant submits that the only terms that define DX_{off} and DY_{off} are latitude and ground track (equations 25 & 26). Therefore, Applicant submits that Mueller fails to teach or suggest determining detection offset of the look ahead envelope based on at least one of the positional uncertainty value, the distance to the nearest runway value, or the logical signal indicating a low altitude flight condition. Therefore, Applicants submit that Claim 1 is allowable over the cited reference.

Applicant submits that because independent Claims 11, 17 and 20 have been amended to include similar limitations that are in amended Claim 1, they are allowable for the same reasons that make Claim 1 allowable.

Because Claims 4, 6-10, 16 and 24-27 depend from allowable independent claims, they are allowable for the same reasons that make their corresponding independent claims allowable.

CONCLUSION

Applicant respectfully submits that all of the claims of the pending application are now in condition for allowance over the cited references. Accordingly, Applicant respectfully requests withdrawal of the rejections, allowance, and early passage through issuance. If the examiner has any questions, the examiner is invited to contact the Applicant's agent listed below.

Respectfully submitted,

BLACK LOWE & GRAHAM^{PLLC}

A handwritten signature in black ink, appearing to read "Mike Smith", with a long horizontal line extending from the end of the signature.

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